

**Draft Rule
#01-180(WPCB)**

Rule 13: Operational Rule

SECTION 1. 327 IAC 8-13-1 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-13-1 Purpose of rule

Authority: IC 13-13-5-1; IC 13-13-5-2; IC13-18-3-2; IC 13-18-11-13; IC 13-18-16-9

Affected: IC 13-14-1-13; IC 13-14-8; IC 13-18-11-2

Sec. 1. The purpose of this rule is to establish and maintain standards of operation and require corrections to drinking water source, water treatment plant and distribution system operations so as to protect human health and prevent adverse impacts to drinking water. (*Water Pollution Control Board; 327 IAC 8-13-1*)

SECTION 2. 327 IAC 8-13-2 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-13-2 Applicability of rule

Authority: IC 13-13-5-1; IC 13-13-5-2; IC13-18-3-2; IC 13-18-11-13; IC 13-18-16-9

Affected: IC 13-14-1-13; IC 13-14-8; IC 13-18-11-2

Sec. 2. The standards and practices established in this rule are applicable to the operation and maintenance of all new or existing public water systems in Indiana. Each public water system shall comply with this rule. (*Water Pollution Control Board; 327 IAC 8-13-2*)

SECTION 3. 327 IAC 8-13-3 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-13-3 Definitions

Authority: IC 13-13-5-1; IC 13-13-5-2; IC13-18-3-2; IC 13-18-11-13; IC 13-18-16-9

Affected: IC 13-14-1-13; IC 13-14-8; IC 13-18-11-2

Sec. 3. The following definitions apply throughout this rule:

(1) “Critical part” means a piece of equipment essential to the safe operation of a public water system, including expendable parts such as glassware, fittings, hose clamps, and gaskets.

(2) “Supplier of Water” means owner, operator and governing body of public water systems.

(3) Add definitions from other rule sections

SECTION 4. 327 IAC 8-13-4 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-13-4 Operation

Authority: IC 13-13-5-1; IC 13-13-5-2; IC13-18-3-2; IC 13-18-11-13; IC 13-18-16-9

Affected: IC 13-14-1-13; IC 13-14-8; IC 13-18-11-2

Refer to 327 IAC 8-12-3.2

(Water Pollution Control Board; 327 IAC 8-13-4)

SECTION 5. 327 IAC 8-13-5 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-13-5 General Maintenance

Authority: IC 13-13-5-1; IC 13-13-5-2; IC13-18-3-2; IC 13-18-11-13; IC 13-18-16-9

Affected: IC 13-14-1-13; IC 13-14-8; IC 13-18-11-2

Sec. 5. (a) A supplier of water shall ensure that the public water system is operated to provide and maintain safe drinking water to consumers. A Supplier shall meet the flow rate and pressure requirements set forth in 327 IAC 8-3.4-12. This responsibility includes the following:

- (1) Maintaining or contracting trained staff to perform all necessary duties.
- (2) Performing maintenance and replacement of equipment when necessary **revisit this at a later date
- (3) Providing testing to control and monitor treatment processes and chemical addition programs.

(b) Bring in OLC to work on owner type An owner of a public water system shall ensure that the system complies with this rule and shall ensure that the system's operator has all of the resources necessary for proper operation of the system. OR The owner is ultimately responsible for ensuring that the system complies with this rule.

(c) A public water system shall ensure that chemicals added to drinking water and passed to the distribution system shall be approved by the following:

- (1) United States Environmental Protection Agency (U.S. EPA) (pursuant to provisions of the Safe Drinking Water Act (42 U.S.C. 300f et seq. (1980)), the Toxic Substance Control Act (15 U.S.C. 2604 et seq. (1982)), or the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. 136 et seq. (1980)))
- (2) United States Food and Drug Administration (USFDA) (pursuant to the Federal Food, Drug and Cosmetic Act (21 U.S.C. 301 et seq. (1983)))

Chemicals added must meet the purity requirements of Water Chemicals Codex, National Research Council of the National Science Foundation. All chemical containers shall bear the name, address and telephone number of the supplier, along with a functional name or identification and strength of the chemical. Chemicals shall not be fed in excess of the maximum dosage approved by U.S. EPA or USFDA.

(d) A public water system shall comply with 327 IAC 8-3 when construction permits are required.

(e) A public water system shall have an operation and maintenance program which must also include an operation and maintenance manual except that public water systems classified as class DSS(distribution system small) may use a checklist instead of an operational manual.

(f) A public water system shall have critical spare parts available to address reasonably foreseeable needs in a timely fashion in order to prevent adverse impacts to drinking water.

(Water Pollution Control Board; 327 IAC 8-13-5)

SECTION 6. 327 IAC 8-13-6 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-13-6 Operation and Maintenance Program

Authority: IC 13-13-5-1; IC 13-13-5-2; IC13-18-3-2; IC 13-18-11-13; IC 13-18-16-9

Affected: IC 13-14-1-13; IC 13-14-8; IC 13-18-11-2

Sec. 6. (a) An Operation and Maintenance Program required under section 5(e) of this rule must contain and have a design for maintaining system inventory which must contain at a minimum the following:

(1) Location and drawings of the systems components which at a minimum contain the following:

(A) source

(B) treatment

(C) storage

(D) distribution

(E) interconnections

(F) meters

(G) pumps

(2) System components must contain at a minimum the following:

(A) source

(B) treatment

(C) storage

(D) distribution

(i) Pipe location and size

(ii) Depth of lines

(iii) Material Type

(E) interconnections

(F) meters

(G) pumps

(b) An Operation and Maintenance Program required under section 5(e) of this rule must contain and have a design for maintaining the operation process which must contain at a minimum the following:

(1) Schematic drawings for the following:

(A) process flow

(B) Hydraulic

(2) Process operation description which includes all of the system components

(3) Manufacturers Manuals that include information on how the equipment is intended to be used.

(4) A public water system must write their treatment goals including their operating parameters

(5) Records must be kept for all of the above mentioned information and updated as deemed necessary.

(6) Security Measures which may include fencing, locking of components, and ID of personnel

(c) An Operation and Maintenance Program required under section 5(e) of this rule must contain a maintenance schedule of how often equipment is maintained and what equipment is maintained including the following:

(1) a schedule of how the system plans to maintain their system which includes the following:

(A) System components

(B) Frequency

(C) Who will do the maintenance

(D) Record keeping

(E) Manufacturer O&M Manuals including a copy of the manufactures suggested instruction

(2) A process description including the following:

(A) The process of how a system is maintained from source to tap to include but not limited to the following: Well test, Main flushing, Valve exercising, and backwashing

(B) Equipment Calibration

(C) Record Keeping

(D) Manufacturer O&M manuals

(d) An Operation and Maintenance Program required under section 5(e) of this rule must contain a contact list including the following:

(1) List of Vendors and suppliers

(2) Employees

(3) Contracts

(4) Utilities

(5) Regulatory Agency

(6) Management

(7) Other PWS

(8) Consultants

(9) Critical Users

(e) An Operation and Maintenance Program required under section 5(e) of this rule must contain and have a design for maintaining safety procedures including the following:

(1) Applicable state and federal health and safety requirements

(2) First aid procedures

(3) Procedures for emergency response due to manmade emergencies

(4) Procedures for emergency response due to natural causes

(f) An Operation and Maintenance Program required under section 5(e) of this rule must contain and have a design for maintaining a supply inventory which must include the following:

(1) treatment chemicals

(2) critical spare part/equipment/lubricants

(3) record keeping

(4) specs

(5) testing/lab supplies

(6) general supplies

(g) An Operation and Maintenance Program required under section 5(e) of this rule must contain compliance monitoring and reporting which must include the following:

(1) who a public water system reports to

(2) what is reported

(3) frequency of reporting

(4) where reports are sent

(5) how information is reported

(6) record keeping

(Water Pollution Control Board; 327 IAC 8-13-6)